

University of Glasgow.

FACULTY OF MEDICINE.

PROGRAMME OF COURSES,

REGULATIONS FOR GRADUATION,

AND

BURSARIES AND PRIZES

OPEN FOR COMPETITION.

1892-93.

GLASGOW:
JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET,
Publishers and Booksellers to the University.

1892.

GLASGOW UNIVERSITY CALENDAR.

The Glasgow University Calendar contains a history of the University, and an account of its present Constitution and Government; statements regarding the various Faculties and Classes; the Regulations and Subjects of Examination for Degrees in Arts, Science, Medicine, Law, and Divinity; the questions proposed to Candidates for Degrees; the annual Graduation and Prize Lists; and the Bursaries, Scholarships, Fellowships, and other Endowments of the University.

It also contains an abstract of the Proceedings of the University Court; a Statement of the Annual Income and Expenditure of the University; a List of the Members of the General Council; a List of the recognized Extra-Academical Lecturers; the Regulations of the University Local Examination Board; and notices of the various Students' Societies.

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UNIVERSITY OF GLASGOW,
July, 1892.

Programme of the Courses.

SESSION 1892-93.

The WINTER SESSION will be opened with an Introductory Address by PROFESSOR CLELAND, M.D., LL.D., D.Sc., F.R.S., on *Tuesday, the 18th October, 1892*, and will close on *Friday, the 24th March, 1893*.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	<i>Professors.</i>
<i>Natural History, Zoology,</i>	9 a.m. daily (Oct.),	£3 3 0 ¹	DR. YOUNG.
<i>Geology,</i>	5.30 p.m. daily (Jan.),	3 3 0 ¹	
<i>Zoological Laboratory,</i>	{ 10 a.m. to 1 p.m. daily (Jan.), .	3 3 0 ¹	
<i>Botanical Laboratory,</i> (Jan., Feb., Mar.),	10 a.m.,	2 2 0	DR. BOWER.
<i>Clinical Medicine,</i>	. 9 a.m., .	(see p. 5)	{ DR. M'CALL ANDERSON and DR. GAIRDNER.
<i>Clinical Surgery,</i>	. 9 a.m., .	(see p. 5)	{ DR. GEORGE BUCHANAN and SIR G. H. B. MACLEOD.
<i>Chemistry,</i>	. 10 a.m., .	3 3 0 ¹	MR. FERGUSON.
<i>Chemical Laboratory,</i>	. 10 a.m. to 4 p.m.,	10 10 0	
<i>Junior Anatomy,</i>	. 2 p.m., .	3 3 0 ²	DR. CLELAND and Demonstrators.
<i>Senior Anatomy,</i>	. 11 a.m., .	3 3 0 ²	
<i>Practical Anatomy,</i>	. 9 a.m. to 4.45 p.m.,	3 3 0	
<i>Practice of Medicine,</i>	. 11 a.m., .	3 3 0 ²	DR. GAIRDNER.
<i>Materia Medica,</i>	. 12 noon, .	3 3 0 ¹	DR. CHARTERIS.
<i>Institutes of Medicine,</i>	. 12 noon, .	3 3 0 ¹	DR. M'KENDRICK and
<i>Physiological Laboratory,</i>	. 10 a.m. to 4 p.m.,	—	Muirhead Demonstrator.
<i>Surgery,</i>	. 1 p.m., .	3 3 0 ²	SIR G. H. B. MACLEOD.
<i>Forensic Medicine</i> (in Summer),	. .	3 3 0 ²	DR. P. A. SIMPSON.
<i>Midwifery,</i>	. 2 p.m., .	3 3 0 ²	DR. LEISHMAN.
<i>Diseases of Women</i> (in Summer),	. .	2 2 0	DR. LEISHMAN.
<i>Pathology,</i>	. 3 p.m. Mon., Wed., Fri.,	4 4 0 ³	Dr. Joseph Coats.
<i>Lectures on the Eye</i> (in Summer),	. .	2 2 0	Dr. T. Reid.
<i>Insanity</i> (in Summer),	. .	2 2 0	Dr. Yellowlees.

The SUMMER SESSION (1893) will be opened on *Monday, 24th April*, and will close on *Friday, 21st July*.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	<i>Professors.</i>
<i>Botany (College),</i>	. 8 a.m., .	£3 3 ²	DR. BOWER.
<i>Botanical Laboratory,</i>	. 9 a.m. to 4 p.m.,	2 2	
<i>Botanical Demonstrations,</i>	—	
<i>Clinical Medicine,</i>	. 9 a.m., .	(see p. 5)	{ DR. M'CALL ANDERSON and DR. GAIRDNER.
<i>Clinical Surgery,</i>	. 9 a.m., .	(see p. 5)	{ DR. GEORGE BUCHANAN and SIR G. H. B. MACLEOD

¹ Fee for a Second Session, £2 2s.

² Fee for a Second Session, £2 2s.; for a Third Session, £1 1s.

³ May be modified in the event of the passing of the New Ordinance for Degrees in Medicine.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	<i>Professors.</i>
<i>Physics</i> ,	9 a.m.,	£3 3	{ LORD KELVIN and Mr. M. Maelean.
<i>Practical Chemistry</i> , .	9 to 11 a.m., . .	3 3 ¹	.
<i>Chemical Laboratory</i> , .	10 a.m. to 4 p.m., .	5 5	{ MR. FERGUSON.
<i>Organic Chemistry</i> ,	—	
<i>Anatomical Lectures</i> , .	11 a.m.,	{ 2 2	{ DR. CLELAND and
<i>Practical Anatomy</i> , .	8 a.m. to 3 p.m., .	{ 2 2	{ Demonstrators.
<i>Forensic Medicine</i> , .	11 a.m.,	3 3 ¹	DR. SIMPSON.
<i>Zoology, Lectures</i> , ² .	12 noon,	3 3 ¹	DR. YOUNG.
<i>Zoological Laboratory</i> , .	10 a.m. to 1 p.m., .	3 3 ¹	{ DR. YOUNG.
<i>Practical Materia Medica</i> , .	12 noon,	3 3 ¹	DR. CHARTERIS.
<i>Practical Physiology</i> , ³ .	12 noon,	3 3 ¹	DR. M'KENDRICK and
<i>Physiological Laboratory</i> , .	10 a.m. to 4 p.m., .	—	Muirhead Demonstrator.
<i>Practical Pathology</i> , ³ .	12 noon,	—	Dr. Joseph Coats.
<i>Practice of Medicine</i> , .	1 p.m. Tu. and Th.,	5	DR. GAIRDNER.
<i>Operative Surgery</i> , .	1 p.m. Mon., Wed., Fri.,	2 2	SIR G. H. B. MACLEOD.
<i>Diseases of Women</i> , .	2 p.m. Tu., Th., Fri.,	2 2	DR. LEISHMAN.
<i>Lectures on the Eye</i> , .	2 p.m. Tu. and Th.,	2 2 ⁶	Dr. T. Reid.
<i>Insanity</i> ,	{ 12 noon, Wed. (University), 10 a.m., Sat. (Gartnavel), —	{ 2 2	Dr. Yellowlees.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

WESTERN INFIRMARY.—This Hospital contains 400 beds for medical and surgical patients, including Wards for Skin Diseases, and one for diseases peculiar to females. *Physicians*—Prof. W. T. Gairdner, M.D., LL.D.; Prof. T. M'Call Anderson, M.D.; James Finlayson, M.D.; Gavin P. Tennent, M.D.; Prof. W. Leishman, M.D. (*Diseases of Women*). *Assistant Physicians*—Joseph Coats, M.D.; John Alexander, M.D. *Surgeons*—Prof. Sir George H. B. Macleod, M.D., LL.D.; Prof. George Buchanan, M.D., LL.D.; A. Patterson, M.D.; Hector C. Cameron, M.D. *Honorary Consulting Ophthalmic Surgeon*—T. Reid, M.D. *Assistant Surgeons*—J. C. Renton, M.D.; George T. Beatson, M.D. *Dispensary Physicians*—David Newman, M.D.; William G. Dun, M.D.; R. Stevenson

¹ Fee for a Second Session, £2 2s.

² This Course of Lectures in Zoology, as well as that given during the Winter Session, qualifies for graduation.

³ After first Lecture, the Class will meet in three divisions, 8 to 9 a.m., 11 a.m. to 12 noon, and 12 noon to 1 p.m.

⁴ The Fee for the combined Winter and Summer Course is £4 4s. See third note on preceding page.

⁵ Open to all Matriculated Students of the University who have completed their Second Winter of Medical study. This course is supplementary to the Winter course, and takes up special subjects to be announced in the Summer bills.

⁶ Includes fee for attendance at Eye Infirmary.

Thomson, M.B.; George Dickson, M.D.; C. O. Hawthorne, M.B.; James Hinshelwood, M.D. *Extra Dispensary Physicians*—John H. Carslaw, M.B.; R. M. Buchanan, M.B. *Dispensary Physicians for Diseases of Women*—W. L. Reid, M.D.; Robert Kirk, M.D.; Murdoch Cameron, M.D. *Dispensary Surgeons*—T. K. Dalziel, M.D.; Duncan Macartney, M.B.; James H. Nicoll, M.B. *Extra Dispensary Surgeon*—Henry Rutherford, M.B. *Dispensary Surgeon for Diseases of the Ear*—Thomas Barr, M.D. *Dispensary Surgeon for Diseases of the Throat*—J. Walker Downie, M.B. *Surgeon Dentist*—W. D. Woodburn, L.D.S. *Pathologist*—Joseph Coats, M.D. *Vaccinator*—William MacLennan, M.B. *Medical Superintendent*—Donald J. Mackintosh, M.B. *Lady Superintendent*—Miss E. Clyde. *Secretary*—Henry Johnston, 125 Buchanan Street. The hour of visit is 9 A.M. The Dispensary for Out-Patients is open daily at 2 P.M. Vaccination—Mondays and Thursdays at 12 noon. The station is recognized by the Local Government Board. Fee, £1 1s. According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations:—

1. That every student paying at the commencement of his First Year a Fee of £10 10s., will be entitled to admission to the Infirmary, and also to attend Courses of Clinical Instruction during the winter and summer of the said year.
2. That every student who has thus paid £10 10s., and shall at the commencement of his Second Year pay a further Fee of £10 10s., will have the privilege of admission to the Infirmary, and to the several courses of Clinical Instruction during his lifetime.
3. That the Fee for Hospital Attendance and Clinical Instruction for Six Months only be £7 7s.
4. That the Fee for Hospital Attendance and Clinical Instruction for Three Months only be £4 4s.
5. Any student who shall have paid Fees to the amount of £21 or upwards, in the payments as stated above, shall be entitled to a Ticket, admitting him to the Infirmary, and to the Clinical Instruction during his lifetime.
6. There shall be two courses of Clinical Instruction—the one in the Winter, and the other in the Summer session.

Students who have taken the Hospital Ticket previous to 1st October, 1876, will continue at the scale of Fees then in use,

but an additional payment of £10 10s. will make them perpetual students of the Hospital, and admit also to the Clinical Classes under the above rules.

Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a Fee of £2 2s.

OUT-DOOR VISITATION.—Senior Students who have passed their Third Professional Examination are permitted to visit the sick poor in the Anderston district, under the supervision of certain Professors of the University and assistants.

ROYAL INFIRMARY.—Hour of Visit—Surgical, 9 a.m.; Medical, 10 a.m. Clinical Lectures given by the Physicians and Surgeons. Fees for Hospital attendance and Clinical Instruction—same as in the Western Infirmary, excepting fee for six months, which is £6 6s. in the Royal Infirmary.

EYE INFIRMARY, 170 Berkeley Street.—Hour of Visit, 1 p.m. daily. Fee for six months, £2 2s.; free to those attending, or who have attended, the Lectures on the Eye delivered in the University.

INSANITY.—During the Summer Session Dr. Yellowlees gives in the University a Course of Lectures on Insanity at 12 noon on Wednesdays, and Clinical Instruction at the Glasgow Royal Asylum, Gartnavel, at 10 a.m. on Saturdays. Fee for the combined Course, £2 2s.

There are also Dispensaries for Diseases of the Skin and Ear, and Clinical Instruction in Fevers is given at the Belvidere Hospital.

CLASSES IN THE FACULTY OF MEDICINE.

The Faculty of Medicine embraces the Classes of Practice of Medicine, Anatomy, Natural History, Surgery, Midwifery, Chemistry, Botany, Materia Medica, Institutes of Medicine, Medical Jurisprudence, Clinical Surgery, Clinical Medicine, Pathology, and the Summer Course of Physics for medical students, on all of which attendance is required for the Degree of M.B. To this Faculty also belong the Lectureship on Diseases of the Eye, the Lectureship on Insanity, and the Courses of instruction necessary for the Diploma in Public Health.

REGULATIONS FOR GRADUATION IN MEDICINE.

Every student who began his Medical Studies previous to 1st January, 1892, is entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before or after that date. All others must fulfil the requirements of the new Ordinance for Degrees in Medicine.

REGULATIONS IN FORCE PREVIOUS TO 1ST JANUARY, 1892.

Three Medical Degrees are conferred by this University, viz. :—Bachelor of Medicine (M.B.) ; Master in Surgery (C.M.) ; and Doctor of Medicine (M.D.) ; all of which are recognized by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

The Degrees of Bachelor of Medicine and Master in Surgery may be obtained by Candidates of the age of 21 years who have complied with the regulations as to Education and Examination.

The Degree of Master in Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, nor shall the Degree of Bachelor of Medicine be conferred on any one who does not at the same time obtain the Degree of Master in Surgery.

The following rules and directions apply to the Degrees of Bachelor of Medicine and Master in Surgery :—

A.—EXAMINATION OF MEDICAL STUDENTS IN GENERAL EDUCATION
AND REGISTRATION BY THE MEDICAL COUNCIL.

The Candidate for the Degrees of Bachelor of Medicine and Master in Surgery must have been registered in the books of the General Medical Council at least four years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 1 George Square, Edinburgh, together with a printed form of application which may be obtained from the Assistant-Clerk (Matriculation Office), a certificate of having passed a satisfactory Preliminary Examination.

A Degree in Arts (not being an Honorary Degree) of any of the Universities of England, Scotland, and Ireland, and also a Degree in Arts of any Colonial or Foreign University which may for this purpose have been specially recognized by the University Court, shall exempt Candidates from all preliminary examination.

The Examination in General Education may be passed either

in this University¹ or at any University or Board of which the examinations are recognized by the General Medical Council as entitling to registration.² But while a Certificate of having passed any recognized Preliminary Examination entitles to registration in the books of the General Medical Council, the University only accepts these Examinations *pro tanto*, and exacts examination in every case on such subjects required by the regulations of the University as are not embraced in the certificates presented from other Examining Boards, or which, though included therein, are not of similar extent to the same subjects as prescribed by the University. In such cases this Examination required by the University must be passed by the Candidates before enrolment for their First Professional Examination.

This registration in the books of the Medical Council, which is imperative on Candidates for any legal qualification to practise whatsoever, is quite distinct from Matriculation or other registration of students in the books of the University.

As the regulations for this Examination in General Education apply only to students who began their course before 1st January, 1892, the details are omitted, but they may be found in the University *Calendar* for 1891-92, pp. 147, 148. For the new Preliminary Examination, see new Ordinance for Degrees in Medicine, Section III., p. 23.

B.—PROFESSIONAL EDUCATION.

1. *Duration and Constitution of the Curriculum.*—No one shall be admitted to the Degree of Bachelor of Medicine or Master in Surgery, who has not been engaged in medical and surgical study for four years,³—the medical session of each year, or *Annus Medicus*, being constituted by at least two courses of not less than one hundred lectures each, or by one such course and two courses of not less than fifty lectures each; but in the case of the Clinical Courses, it shall be sufficient that the lectures be given at least twice a week during the prescribed periods.

One at least of the four years of medical and surgical study above required must be in the University of Glasgow.

¹ A Local Centre in connection with this Examination has been established in the University College of North Wales, Bangor. Candidates who prefer to sit for examination there must intimate their desire when returning schedule of entry to Glasgow. Such Candidates are required, on taking their seats at Bangor, to pay to the College Authorities there a special fee of 5s. This is in addition to the ordinary fee, payable at Glasgow, as mentioned at page 15. The Examinations are held simultaneously in Bangor and Glasgow.

² For a list of such Examining Boards, see p. 19.

³ A Minute of the General Medical Council of date 6th June, 1890, bears that after 1st January, 1892, the period of Professional Study, between the date of Registration as a Medical Student and the date of Final Examination for any Diploma giving a title to Registration under the *Medical Acts*, must be a period of *bona fide* Study during not less than five years.

Another of such four years must be either in the University of Glasgow, or in some other University entitled to give the degree of Doctor of Medicine.

Attendance during at least six winter months on the medical or surgical practice of a general hospital which accommodates at least eighty patients, and during the same period on a course of Practical Anatomy, may be reckoned as one of such four years, and to that extent shall be held equivalent to one year's attendance on courses of lectures, as above prescribed.

One year's attendance on the Lecturers or Teachers of Medicine in the Hospital Schools of London, or in the School of the College of Surgeons in Dublin, may be reckoned as one of such four years; and to that extent shall be held as attendance on courses of lectures as above prescribed.

Attendance on the lectures of any private Teacher or Teachers of Medicine whose lectures have, by regulation of the University Court, with consent of the Chancellor of the University, been recognised for the purpose of graduation in the University, may be reckoned in place of the year's attendance last above mentioned, or as part thereof, as the case may be.

Candidates may, to the extent of four of the departments of medical study enumerated in "required courses of instruction," attend in such year or years of their medical and surgical studies as may be most convenient to them, the lectures of the Teachers of Medicine specified in the two immediately preceding paragraphs.¹

All Candidates availing themselves of the permission to attend the lectures of private Teachers, and not being at the time matriculated students of the University, must, at the commencement of the year of such attendance, enrol their names in a book kept by the University for that purpose, paying a fee of one-half the amount of the matriculation fee paid by students of the University; but they shall not be thereby entitled to any of the privileges of a matriculated student of the University.

The fee for attendance on the lectures of any private Teacher, with a view to graduation, shall not be of less amount than that exigible by Medical Professors of the University for the same course of instruction. (*The fees must be paid at the commencement of the course.*)

No attendance on Lectures shall be reckoned, if the Teacher gives instruction in more than one of the prescribed branches of study, except in those cases where Professors of the University are at liberty to teach more than one branch.

¹ In Provincial Medical Schools where there are no Lecturers recognized by the University Court, a Candidate can complete only one *Annus Medicus*, constituted by attendance at a General Hospital accommodating not fewer than 80 patients, along with a course of Practical Anatomy.

2. *Required Courses of Instruction.*—Every Candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall give sufficient evidence by certificates :—

(1.) That he has studied each of the following departments of medical science, viz.:—

ANATOMY,	-	-	-	During courses including not less than one hundred lectures.
CHEMISTRY,	-	-	-	
MATERIA MEDICA and PHARMACY,	-	-	-	
INSTITUTES OF MEDICINE or PHYSIOLOGY,	-	-	-	
PRACTICE OF MEDICINE,	-	-	-	
SURGERY,	-	-	-	
MIDWIFERY and the DISEASES peculiar to WOMEN and CHILDREN;				
two courses of Midwifery, of three months each, ¹ being reckoned equivalent to a six months' course, provided different departments of Obstetric Medicine be taught in each of the courses,				
PATHOLOGICAL ANATOMY, during a three months' course of lectures, together with a supplemental course of Practice of Medicine or Clinical Medicine; or a course of not less than one hundred lectures on General Pathology.				
PRACTICAL ANATOMY,	-	-	-	Six months.
PRACTICAL CHEMISTRY,	-	-	-	Three months.
PRACTICAL MIDWIFERY,	-	-	-	Three months on the indoor practice of a Lying-in-Hospital, or presence at not less than twelve labours, at least three of which must be conducted personally by the candidate under the direct supervision of a Registered Practitioner.
CLINICAL MEDICINE,	-	-	-	During courses of six months, or two courses of three months: lectures being given at least twice a week.
CLINICAL SURGERY,	-	-	-	
MEDICAL JURISPRUDENCE,	-	-	-	
BOTANY,	-	-	-	
ZOOLOGY with COMPARATIVE ANATOMY,	-	-	-	During courses including not less than fifty lectures.

(2.) That he has attended for at least two years the medical and surgical practice of a general hospital either at

¹ The Fee for each course of Midwifery of three months is £2 2s.

Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons.

- (3.) That he has attended, during a course of not less than fifty hours' instruction, the class of Practical Materia Medica in the University of Glasgow ; or a similar class in a University or School of Medicine, attendance on which is recognised by the Ordinance ; or a similar class conducted by a teacher recognised by the University Court under the Ordinance ; or, that he has been engaged for at least three months, by apprenticeship or otherwise, in compounding and dispensing drugs at the laboratory of an hospital, dispensary, member of a Surgical College or Faculty, of a licentiate of the London or Dublin Society of Apothecaries, or of a member of the Pharmaceutical Society of Great Britain. [Students are recommended to take the class of Pharmacology and Practical Pharmacy in the summer before their attendance on the course of Materia Medica ; but attendance on such a course cannot be substituted for attendance on the course of systematic Lectures on Materia Medica, which must be taken before the third Professional Examination.]
- (4.) That he has attended for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician, surgeon, or member of the London or Dublin Society of Apothecaries.

VACCINATION.—The candidate must produce a certificate from a recognized Vaccination department in an hospital, dispensary, or other public institution, that he has performed the operation successfully under the Teacher's supervision ; that he is familiar with the different stages of the vaccine vesicle, and with the mode of preserving lymph, and is generally well instructed in the subject.¹

C.—PROFESSIONAL EXAMINATIONS.

By orders of Her Majesty in Council, dated 13th August, 1877, 23rd August, 1883, 27th January, 1885, and 26th March, 1885, the following are the arrangements for Professional Examinations :—

1. Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall be examined both in writing and *viva voce*, First, on Chemistry, Botany, and Natural History; Second, on Anatomy and Physiology ; Third, on Regional Anatomy, and Materia Medica and Pharmacy ; and Fourth,

¹ The recognised Vaccine Departments in Glasgow are—Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.

on Surgery, Clinical Surgery, Medicine, Clinical Medicine, Pathology, Midwifery, and Medical Jurisprudence. The Examination in Chemistry shall include Practical Chemistry; and the Examinations in Anatomy and Physiology shall include Practical Anatomy, Histology, and Practical Physiology; and the Examination in Surgery shall include Operative Surgery.

2. Students may appear for examination in the first of the foregoing divisions of subjects who have completed their attendance on the required courses during one winter and one summer session : provided always that students shall not be admitted to such examination at an earlier date than the period of examination immediately preceding their second winter session of professional study ; and that students who commenced their medical studies in the summer session shall not be admitted to a degree in medicine unless their course of study, subsequent to the completion of the summer session in which they commenced their medical studies, shall not be less than the minimum course of four years prescribed by this Ordinance.
3. Students who have passed the first examination may appear for examination in the second division of subjects, after having completed their attendance on the requisite courses (including those of the subjects of examination) after the lapse of two winter and three summer sessions from the time of the commencement of their studies ; provided always that students who have commenced their medical studies with a winter session may appear for examination in the second division of subjects after the lapse of two winter and two summer sessions from the time of the commencement of their studies.
4. Students who have passed the two previous examinations may appear for examination in the third division of subjects at any of the terms fixed for examination by the Senate, after the conclusion of the third winter session of attendance upon Medical Classes (including those of the required subjects).
5. Students who have passed the examinations in the subjects of the three previous divisions may appear for examination in the subjects of the fourth division at the first term for the final examination after the conclusion of their Curriculum of study.

In addition, the following regulations will be observed :—

1. The examinations will be conducted by written papers and by oral examinations. A practical knowledge of the subject is also required.

2. Candidates must produce certificates of satisfactory attendance on the courses belonging to each division before presenting themselves for these examinations, and no candidate is allowed to enrol himself for the Second, Third, or Fourth examination without having passed the immediately preceding examination.
3. Previous to appearing for the final examination the candidate must produce a declaration in his own handwriting that on the day of graduation, he will have completed his twenty-first year and will not be under articles of apprenticeship.
4. At the professional examinations, candidates will as far as possible be examined orally in the alphabetical order of their surnames.
5. If any Candidate, on examination, be found unqualified, he shall not be again admitted to examination unless he shall have completed another year of medical study, or such portion of another year as may be fixed by the examiners when he is found unqualified.
6. Every Candidate must matriculate at the University for the year in which he enters for professional examination or for graduation.

The examinations are conducted by the Professors of the Faculty of Medicine, together with the other Examiners appointed by the University Court.

For Table of Fees and dates of examinations see page 15.

D.—DEGREE OF DOCTOR OF MEDICINE.

The Degree of Doctor of Medicine may be conferred on any candidate who has obtained the degree of Bachelor of Medicine, and is of the age of twenty-four years, and has been engaged, subsequently to his having obtained the degree of Bachelor of Medicine, for at least two years in attendance on an hospital, or in the Military or Naval medical service, or in medical or surgical practice : Provided always that the degree of Doctor of Medicine shall not be conferred on any person, unless he be a graduate in Arts within the fifth section of the Ordinance, or unless he shall have passed a satisfactory examination in Greek, and in Logic or Moral Philosophy, and in one, at least, of the following subjects, namely, French, German, Higher Mathematics, Natural Philosophy, and Natural History. Provided also that each candidate for the degree of Doctor of Medicine shall present an Inaugural Dissertation composed by himself to be approved by the Senatus Academicus. Such Dissertations or Theses¹ must be lodged with the Assistant-Clerk (Matriculation Office), on or before 20th March, 20th June, or 20th October. No Thesis will be approved unless it gives evidence of original observation, or, if it deal

Candidates are requested to have their Theses bound before sending them in.

with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited : mere compilations will in no case be accepted. The fees for the Degree of M.D. amount to £15 8s. (including the sum of £10 3s. for Government stamp, etc.).

NEW ORDINANCE FOR DEGREES IN MEDICINE.

The Commissioners under the Universities (Scotland) Act, 1889, have ordained that four Degrees in Medicine and Surgery shall be conferred by the University of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The Ordinance prescribes the Preliminary Examination which each student must pass before he commences his medical studies, the conditions as to Professional education which he must fulfil, and the Professional Examinations which he must pass. For details see pages 22 to 32, New Ordinance for Degrees in Medicine. The provisions of the Ordinance are applicable to all students of Medicine who begin their course in 1892, and thereafter.

TABLE OF EXAMINATIONS FOR DEGREES IN MEDICINE TO BE HELD DURING SESSION 1892-93.

Name to be given in and Fees paid to Assistant-Clerk (Matriculation Office), Examination.	Fee, ² Date. ¹	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed Instructions for filling up may be obtained from the Assistant-Clerk (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.
Preliminary,	£ 0 10 6	{ Wed., 25th Sept., 1892, Thur., 26th " " Fri., 27th " " Sat., 1st Oct., "
First Professional, " ,	5 5 0 ³	Mon., 3rd " " Tues., 4th " " Wed., 5th " "
Second Professional, Third Professional,	5 5 0 ³	Tues., 4th " " Physiology at 10 a.m. Regional Anatomy at 10 a.m. Materia Medica at 12.30 p.m. Pathology at 3 p.m. Wed., 22nd March, 1893, Thur., 23rd " " Fri., 24th " " Sat., 25th " "
Preliminary,	0 10 6	Wed., 22nd March, 1893, Thur., 23rd " " Fri., 24th " " Sat., 25th " "
First Professional, " ,	5 5 0 ³	Tues., 28th March, Wed., 29th " " Wed., 29th " " Thur., 30th " "
Second Professional, Third Professional,	5 5 0 ³	Regional Anatomy at 10 a.m. Materia Medica at 12.30 p.m. Pathology at 3 p.m. (Mon., 12th June (<i>Clinical Examinations begin</i>). Fri., 7th July (<i>Operative Surgery Examination begins</i>). Mon., 10th July, Materia Medica at 10 a.m. Tues., 11th " Practise of Medicine (Wed., 12th " , Surgery)
Final Professional,	5 5 0	The Oral Examinations will begin about the 13th July.

¹ When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be enrolled for examination. A Candidate is not held to be enrolled for examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.
² In the event of a Candidate being rejected in a Professional Examination, he may be admitted once to re-examination without payment of further examination fee, but for a second and for each subsequent re-examination (if any) a Special Fee of £2 2s. will be charged.
³ For Candidates under the New Ordinance the Fee will be £6 6s.

DIPLOMA IN PUBLIC HEALTH.

The following regulations as to instruction in Public Health and as to examinations for the Diploma in Public Health prepared by the Senate have received the sanction of the University Court :—

I. The University provides instruction in Public Health by Laboratory training and otherwise.

II. The subjects of instruction are :—

Duties of Health Officer, Air and Ventilation, Food and its Adulterations, Water and Water Supply, Sewerage and Drainage ; Construction of Hospitals, Public Buildings, and Dwellings ; Overcrowding, Manufactories, Insalubrious Trades, Cemeteries, Nuisances, Quarantine, Disinfectants and Deodorizers, Outbreaks of Zymotic Diseases ; Climate, Topographical and Seasonal : its influences in relation to Health and Disease ; Geographical Distribution of Diseases ; Knowledge of leading Sanitary Acts of Parliament, Vital Statistics.

III. The Laboratory training is provided in a special department of the Chemical Laboratory. Practical instruction is given in the following subjects :—

(a) *Water*.—Qualitative examination ; Colour, odour, and suspended matters. Quantitative examination : ammonia, albuminoid ammonia, nitric and nitrous acids, sulphuric and phosphoric acids, chlorine, total solids, lime, magnesia, alkalies, silica in solution, the hardness before and after boiling ; Clark's process for softening water ; explanations and illustrations of methods employed to purify water by chemical processes and by filtration.

(b) *Air*.—Qualitative and quantitative examination for gaseous impurities and suspended matters.

(c) *Water and Air*.—Bacteriological methods of examination. Micro-organisms, moulds, and fungi, and their identification. Pure cultures.

(d) *Soils*.—Nature and examination of soils ; ground-water, sewage.

(e) *Antiseptics and Disinfection*.—The relative value of various antiseptics and disinfectants and the methods of employing them.

(f) *Foods*.—Quantitative examination of milk, butter, tea, coffee, sugar, alcoholic beverages, aerated waters for poisonous substances. Qualitative examination of bread and flour, of cereal, farinaceous, and other food substances and condiments ; chemical and microscopic examination for common adulterations, colouring matters, animal

organisms, and poisonous substances ; examination of food substances for fungoid growths, and poisonous substances resulting from the same.

IV. The Diploma in Public Health may be obtained by any Bachelor of Medicine of this University on his passing the required examination not less than twelve months after he has taken the degree of M.B.

V. Every candidate for a Diploma in Public Health shall give sufficient evidence by certificates :—

1. That after obtaining the Degree of M.B. he has undergone the practical training provided under Regulation III.
2. That he has, after obtaining the degree of M.B., practically studied for six months the duties of out-door Sanitary work under the Medical Officer of Health of a County or large Urban District.

VI. The examination shall be written, practical, and oral. The subjects of examination are as follows :—

A. Physics, Meteorology, and Climatology, with special reference to Heat and Ventilation, Water supply, Drainage, and the Geographical distribution of Disease.

B. Chemistry and Biology.—The composition and analysis (qualitative and quantitative) of Air, Water, and Sewage; detection of poisons and recognition of injurious pigments; the composition and adulteration of foods and beverages; diseased and putrid food; Bacteriology; microscopic examination of Air, Water, Foods, and Beverages.

C. General Hygiene.—Duties of Medical Officer of Health; Nature and Construction of Dietaries; Sanitary arrangements of Houses, Hospitals, Workshops, Factories, Towns, including Interpretation of Plans; Ventilation, Water Supply, Sewerage, Disposal of the Dead; Aetiology, Prophylaxis, and Control of Infectious Diseases; Unhealthy occupations; Practical examination and written report on some selected area or premises.

D. Sanitary Law and Vital Statistics—Laws relating to Public Health, Vaccination, and Registration of births, marriages, and deaths; Methods and results of Vital Statistics, chiefly in relation to the birth, marriage, and death rate of communities.

VII. The Fee for the course of instruction shall be £10 10s., and for the Examination £5 5s.

GRADUATION.

The terms for conferring Medical and Surgical Degrees in Session 1892-3 are 10th November, 1892; 9th February, 1893; 21st April, 1893; and 27th July, 1893.

Candidates proceeding to Graduation, if not already Members of the General Council of the University, are required by the Act, 44 and 45 Vict. Ch. 40, to pay to the Registrar of the General Council the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council. This should in all cases be done at least two clear days before the day of Graduation.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath, or Sponsio Academica, formerly required to be taken and subscribed by every Candidate on Graduation:—

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge. And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 1 George Square, Edinburgh. Fee £5. Additional Qualifications, 5s. each. Forms of application may be had from the Assistant-Clerk (Matriculation Office).

LIST OF EXAMINING BODIES WHOSE EXAMINATIONS FULFIL THE CONDITIONS OF THE MEDICAL COUNCIL AS REGARDS PRELIMINARY EDUCATION.

N.B.—The Certificates of these Bodies admit to matriculation and study in the University of Glasgow ; but Candidates for Degrees must conform to the regulations of the University as laid down under A, page 7.

I.—Universities in the United Kingdom.

UNIVERSITY OF OXFORD.—(1) Junior Local Examinations ; Certificate to include Latin and Mathematics, and also one of the following optional subjects :—Greek, French, German. (2) Senior Local Examinations ; Certificate to include Latin and Mathematics. (3) Responsions. (4) Moderations. (5) Examination for a Degree in Arts.

UNIVERSITY OF CAMBRIDGE.—(6) Junior Local Examinations ; Certificate to include Latin and Mathematics, and also one of the following optional subjects :—Greek, French, German. (7) Senior Local Examinations ; Certificate to include Latin and Mathematics. (8) Higher Local Examinations. (9) Previous Examination. (10) Examination for a Degree in Arts.

UNIVERSITY OF DURHAM.—(11) Examination for Certificate of Proficiency. (12) Examination for Students at the end of their first year. (13) Examination for a Degree in Arts.

UNIVERSITY OF LONDON.—(14) Matriculation Examination. (15) Preliminary Scientific (M.B.) Examination. (16) Examination for a Degree in Arts or Science.

VICTORIA UNIVERSITY.—(17) Preliminary Examination ; Latin to be one of the subjects. (18) Entrance Examination in Arts, to include all the subjects required.

UNIVERSITY OF EDINBURGH.—(19) Local Examinations (Junior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geomctry, Latin, and also one of the following optional subjects :—Greek, French, German. (20) Local Examinations (Senior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects :—Greek, French, German. (21) Preliminary Examination for Graduation in Science or Medicine and Surgery. (22) Examination for a Degree in Arts.

UNIVERSITY OF ABERDEEN.—(23) Local Examinations (Junior Certificate) ; Certificate to include all the subjects required. (24) Local Examinations (Senior Certificate) ; Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects :—Greek, French,

German. (25) Preliminary Examination for Graduation in Medicine and Surgery. (26) Examination for a Degree in Arts.

UNIVERSITY OF GLASGOW.—(27) Local Examinations (Junior Certificate); Certificate to include all the subjects required. (28) Local Examinations (Senior Certificate); Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects:—Greek, French, German. (29) Preliminary Examination for Graduation in Medicine and Surgery. (30) Examination for a Degree in Arts.

UNIVERSITY OF ST. ANDREWS.—(31) Local Examinations (Senior Certificate); Certificate to include English Literature, Arithmetic, Algebra, Geometry, Latin, and also one of the following optional subjects:—Greek, French, German. (32) Local Examinations (Junior Certificate), to include all the subjects required. (33) Preliminary Examination for Graduation in Medicine and Surgery. (34) Examination for a Degree in Arts. (35) Examination for the LL.A. Certificate; Certificate to include all the Subjects required by the Council.

UNIVERSITY OF DUBLIN.—(36) Public Entrance Examination. (37) General Examination at end of Senior Freshman year. (38) Examination for a Degree in Arts.

QUEEN'S UNIVERSITY IN IRELAND.—(39) Local Examinations for Men and Women; Certificate to include all the subjects required by the General Medical Council. (40) Entrance or Matriculation Examination. (41) Previous Examination for B.A. Degree. (42) Examination for a Degree in Arts.

ROYAL UNIVERSITY OF IRELAND.—(43) Matriculation Examination; (44) Examination for a Degree in Arts.

OXFORD AND CAMBRIDGE SCHOOLS' EXAMINATION BOARD.—(45) Certificate to include the following subjects, an adequate knowledge of English Grammar and Orthography, as shown in the course of the Examination, to the satisfaction of the Examiners, being held as conforming to the requirements of the Medical Council in regard to those subjects:—Arithmetic, including Vulgar and Decimal Fractions; Algebra, including Simple Equations; Geometry, including the first two books of Euclid; Latin, including Translation and Grammar. Also one of these optional subjects:—Greek, French, German.

II.—Other Bodies named in Schedule (A) to the MEDICAL ACT, 1858.

APOTHECARIES' SOCIETY OF LONDON.—(46) Examination in Arts.

ROYAL COLLEGES OF PHYSICIANS AND SURGEONS OF EDINBURGH.—(47) Preliminary (combined) Examination in General Education, conducted by the Educational Institute of Scotland.

FACULTY OF PHYSICIANS AND SURGEONS OF GLASGOW.—(48) Preliminary Examination in General Literature.

ROYAL COLLEGE OF SURGEONS IN IRELAND.—(49) Preliminary Examination; Certificate to include Mathematics.

III.—Examining Bodies, in the United Kingdom, not included in Schedule (A) to the MEDICAL ACT (1858).

COLLEGE OF PRECEPTORS.—(50) Examination for a First-Class Certificate, or Second-Class Certificate of First or Second Division, Algebra, Geometry, Latin, and a Modern Language, having been taken.

INTERMEDIATE EDUCATION BOARD OF IRELAND.—(51) Junior Grade Examination. (52) Middle Grade Examination. (53) Senior Grade Examination. Certificate in each case to include all the subjects required by the General Medical Council.

EDUCATIONAL INSTITUTE OF SCOTLAND.—(54) Preliminary Medical Examination.

SCHOOLS LEAVING CERTIFICATES.—(55) Three Grades.

IV.—Indian, Colonial, and Foreign Universities and Colleges.

UNIVERSITY OF CALCUTTA.—(56) Entrance Examination ; Certificate to include Latin.

UNIVERSITY OF MADRAS.—(57) Entrance Examination ; Certificate to include Latin.

UNIVERSITY OF BOMBAY.—(58) Entrance Examination ; Certificate to include Latin.

CEYLON MEDICAL COLLEGE.—(59) Preliminary Examination (Primary Class).

UNIVERSITY OF M'GILL COLLEGE, MONTREAL.—(60) Matriculation Examination.

UNIVERSITY OF BISHOP'S COLLEGE, MONTREAL.—(61) Matriculation Examination.

UNIVERSITY OF TORONTO.—(62) Matriculation Examination.

UNIVERSITY OF TRINITY COLLEGE, TORONTO.—(63) Matriculation Examination.

UNIVERSITY OF QUEEN'S COLLEGE, KINGSTON.—(64) Matriculation Examination.

UNIVERSITY OF VICTORIA COLLEGE, UPPER CANADA.—(65) Matriculation Examination.

WESTERN UNIVERSITY OF ONTARIO.—(66) Entrance Examination in Medicine ; Certificate to include all the subjects required for registration.

COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.—(67) Preliminary Examination ; Certificate to include all the subjects required for registration.

UNIVERSITY OF MANITOBA.—(68) Previous Examination.

UNIVERSITY OF FREDERICTON, NEW BRUNSWICK.—(69) Matriculation Examination.

UNIVERSITY OF MOUNT ALLISON COLLEGE, NEW BRUNSWICK.—(70) Examination for a Degree in Arts.

UNIVERSITY OF KING'S COLLEGE, NOVA SCOTIA.—(71) Matriculation Examination. (72) Responsions.

UNIVERSITY OF HALIFAX, NOVA SCOTIA.—(73) Matriculation Examination.

DALHOUSIE COLLEGE AND UNIVERSITY, HALIFAX, NOVA SCOTIA.—(74) Matriculation and Sessional Examinations.

PROVINCIAL MEDICAL BOARD OF NOVA SCOTIA.—(75) Matriculation Examination.

UNIVERSITY OF MELBOURNE.—(76) Matriculation Examination.

UNIVERSITY OF SYDNEY.—(77) Matriculation Examination.

UNIVERSITY OF ADELAIDE.—(78) Matriculation Examination or its substitute, the Senior Public Examination; (79) Junior Public Examination; Certificate to include all the subjects required for registration.

TASMANIAN COUNCIL OF EDUCATION.—(80) Examination for the Degree of Associate of Arts; Certificate to include Latin and Mathematics.

UNIVERSITY OF THE CAPE OF GOOD HOPE.—(81) Matriculation Examination. (82) Examination for a Degree in Arts.

UNIVERSITY OF OTAGO.—(83) Preliminary Examination.

UNIVERSITY OF NEW ZEALAND.—(84) Entrantee Examination.

CHRIST'S COLLEGE, CANTERBURY, NEW ZEALAND.—(85) Voluntary Examinations. Certificate to include all the subjects required by the General Medical Council.

CODRINGTON COLLEGE, BARBADOES.—(86) English Certificate for Students of two years' standing, and Latin Certificate or "Testamur."

GERMANY AND OTHER CONTINENTAL COUNTRIES.—(87) Gymnasial Abiturienten-Examen, and other corresponding Entrance Examinations to the Universities.

NEW ORDINANCE BY COMMISSIONERS UNDER THE UNIVERSITIES (SCOTLAND) ACT, 1889.

ORDINANCE No. 14. [GLASGOW, No. 1—REGULATIONS FOR DEGREES IN MEDICINE.]

At Edinburgh, the third day of February, Eighteen hundred and ninety-two years.

WHEREAS, etc.

GRADUATION IN MEDICINE AND SURGERY.

I. Four degrees in Medicine and Surgery shall be conferred by the University of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of

Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Medicine, and the degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Surgery.

II. Subject to regulations to be made from time to time by the University Court, the University may also confer diplomas in Special Branches of Medical and Surgical Praetice on graduates of the University in Medicine and Surgery.

III. Before commencing his medical studies, each student shall pass a preliminary examination in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German :¹ provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate may be substituted for one in either French or German, and an examination in any other classical language for one in Latin or Greek.

IV. The extent and standard of the preliminary examination shall be determined by the Joint Board of Examiners constituted under Ordinance, General, No. 8—[Regulations as to Examinations]—in accordance with the terms of that Ordinance.

V. The preliminary examination shall be conducted in accordance with the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—and, subject to the provisions of the immediately succeeding section hereof, the entire examination shall be passed at one and the same time, except in the case of students who, prior to the date at which this Ordinance shall come into operation, have passed a portion of the preliminary examination of the University, or of a preliminary examination recognised by the University.

VI. A degree in Arts, or in Science (not being a degree *honoris causa tantum*), in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the preliminary examination; and the Joint Board of Examiners appointed under the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—shall have power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the preliminary examination.

PROFESSIONAL EDUCATION.

VII. Candidates shall be admitted to the degree of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions:—

1. The candidate must have been engaged in medical study for at least five years.

¹ For details of Examination in September, 1892, see page 32.

2. In each of the first four years the candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in Sub-section 4 hereof—each course extending over a session of not less than five months, either continuous or divided into two terms; or, alternatively, one such course, along with two courses, each extending over a session of not less than two and a half months.
3. During the fifth or final year the candidate shall be engaged in clinical study for at least nine months at one or more of such public hospitals or dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.
4. The candidate must, during his curriculum, have attended a course or courses of instruction in each of the following subjects of study, including such examinations as may be prescribed in the various classes, viz. :—

1. ANATOMY, - - - - -	} During a course of not less than five months.
2. PRACTICAL ANATOMY, - - - - -	
3. CHEMISTRY, - - - - -	
4. MATERIA MEDICA and THERAPEUTICS, - - - - -	
5. PHYSIOLOGY or INSTITUTES OF MEDICINE, - - - - -	
6. PRACTICE OF MEDICINE, - - - - -	
7. SURGERY, - - - - -	
8. MIDWIFERY and the DISEASES peculiar to WOMEN and INFANTS. Two courses of Midwifery, of three months each, provided different departments of Obstetric Medicine be taught in each of the courses, shall be reckoned equivalent to a course of not less than five months,	} During courses of not less than five months.
9. PATHOLOGY, - - - - -	
10. PRACTICAL CHEMISTRY, - - - - -	
11. PHYSICS (including the DYNAMICS OF SOLIDS, LIQUIDS, and GASES, and the RUDIMENTS OF SOUND, HEAT, LIGHT, and ELECTRICITY), - - - - -	} During courses of not less than two and a half months.
12. ELEMENTARY BOTANY, - - - - -	
13. ELEMENTARY ZOOLOGY, - - - - -	
14. PRACTICAL PHYSIOLOGY, - - - - -	
15. PRACTICAL PATHOLOGY, - - - - -	
16. MEDICAL JURISPRUDENCE and PUBLIC HEALTH, - - - - -	

Provided always, in so far as regards the University of Glasgow, that—

(a) It shall be the duty of the Senatus to determine from time to time the number of meetings of which such courses shall consist, and in what cases two half courses shall be deemed equivalent to a full course; and to report the determination to the University Court for its approval.

(b) It shall be the duty of the Professors and Lecturers to submit to the Senatus annually at the end of the winter session a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(c) The University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

5. The candidate must have attended for at least three years the Medical and Surgical Practice of a General Hospital at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons, and is recognised for the purpose by the University Court.
6. The candidate must have attended Clinical Surgery during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary surgeons of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
7. The candidate must have attended Clinical Medicine during a course or courses extending over not less than nine months. These courses may be conducted by Professors of the University, or by Lecturers appointed for the purpose by the University Court, or by the ordinary physicians of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
8. The candidate must have attended a course of instruction in Mental Diseases of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to time determine.
9. The candidate must have attended a course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an hospital or dispensary, or in an establishment recognised by the Pharmaceutical Society.

10. The candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician or surgeon, or of a member of the London or Dublin Society of Apothecaries. He must have acted as clerk in the medical and dresser in the surgical wards of a public hospital ; and must also have availed himself, to such an extent as may be required by the Senatus, with the approval of the University Court, of opportunities of studying, at an hospital or dispensary, *Post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other speial departments as may from time to time be determined.
11. The candidate must have attended, under the superintendence of a registered medical praetitioner, twelve cases of labour, or such additional number as the Senatus, with the sanction of the University Court, may from time to time determine ; or have attended for three months the practiee of a lying-in hospital, or of the maternity department of a general hospital or other public charitable institution, and have conducted personally six, or such an additional number of cases of labour as the Senatus, with the approval of the University Court, may from time to time determine.
12. The candidate must have been properly instructed in Vaccination at a Publie Vaecination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.
13. No candidate for a degree shall be deemed to have attended a class as part of the Curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the Places and Institutions at which the studies of the Candidate may be prosecuted, the following Regulations shall have effect :—

1. Two of the five years of medical study mnst he spent in the University of Glasgow, each year of study including always the attendances speified in Section VII., Sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University reeognised for the purpose by the University Court, or in such Medical Schools or under such Teachers as may be reog-nised for the purpose by the University Court, each year of study during the first four years including always the attendances specifed in Section VII., Sub-section 2.
3. Of the subjects of study specified in Section VII., Sub-section 4, not less than eight must be taken in the University of Glasgow, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine reeognised

for the purpose by the University Court, or in a College incorporated with, or affiliated to a University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court: Provided always that where in any of said subjects of study two or more courses are required, the taking of one of those courses shall constitute a taking of the subject for the purpose of this sub-section.

4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court.
5. All Candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by Students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The Fee for attendance, for purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow, shall be not less than the amount eligible for the corresponding courses in the University.
7. The University Court shall not recognise as qualifying for examination in any of the subjects specified in Section VII., Sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where Professors in the University are at liberty to teach two subjects:—Provided always that a Professor or other teacher in any endowed public College or Institution, who by the terms of his appointment is required to teach more than one subject of Medical Study therein, may be recognised under sub-section 2 of this section, as a teacher of any one of the subjects which he teaches.
8. A teacher, attendance on whose course of instruction shall, before the date of the approval of this Ordinance by Her Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such teacher may continue to be recognised as heretofore.
9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.

IX. In the University of Glasgow it shall be the duty of the Professors of the subjects specified in Section VII., Sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one course of five or six months, or of two and a half or three months, as the case may be.

X. If any candidate shall, before presenting himself for his Preliminary Examination, have attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a course or courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying course in the same subject in the University of Glasgow, such attendance shall (notwithstanding anything hereinbefore ordained) be held as entitling him to be examined in these subjects; and if the candidate shall have attended such course or courses in each of the said subjects, he shall be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent course or courses shall be presented to the Senatus at the time when the candidate presents himself for his Preliminary Examination; and the Senatus shall, if satisfied, grant a certificate to that effect.

PROFESSIONAL EXAMINATION FOR THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY.

XI. Each candidate shall be examined both in writing and orally, and also clinically where the nature of the subject admits, in the following divisions, viz.:—*First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics; *Third*, in Pathology and Medical Jurisprudence and Public Health; *Fourth*, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery.

In subjects which admit of practical instruction, the examination shall be such as to test the practical acquirements of the candidate.

Provided always that if a candidate have obtained in a University of the United Kingdom, or other University specially recognised for the purpose by the University Court, a Degree in Science or in Arts, granted in either case after a course of study and an examination in Botany, Zoology, Physics, and Chemistry, he shall be held to have passed his examinations in the said subjects.

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz.:—Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full course in each of the subjects professed.

XIII. Candidates who have passed their examinations in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

Provided that candidates who so desire may postpone their examination in Materia Medica and Therapeutics until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

Provided that candidates who so desire may postpone their examination in Medical Jurisprudence and Public Health until the close of the summer session following.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.

XVI. If any candidate at these examinations be found unqualified in one or more subjects he shall not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.

XVII. If any candidate at these examinations be found to have passed in one or more subjects with sufficient merit, he shall not be liable to re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every candidate must deliver, on or before such day as the Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the candidate has satisfied the Examiners, the Dean of the Faculty of Medicine shall lay the proceedings before the Senatus, by whose authority the candidate shall be admitted, on such day as the Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.

XX. Candidates for graduation shall produce evidence of their having conformed to the Regulations which were in force at the time they commenced their Medical Studies, except in so far as is provided in Section XXV. hereof.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one

year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.
4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such Degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

- XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.

2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine;

and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Master of Surgery shall submit, for the approval of the Faculty of Medicine, a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.
4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in Sub-section 2 of this Section, at any period of examination after he has received such Degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in practice which has not been exclusively medical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

FEES.

XXIII. The fee to be paid for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

EXAMINERS.

XXIV. The Examiners for graduation in Medicine in the University of Glasgow shall be the Professors in that University, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem

necessary. Provided that the Court shall make such provisions as will ensure that every candidate shall be examined in each subject by at least two examiners, of whom one shall not be a Professor or Lecturer in the University. The examinations shall be conducted under regulations framed by the Senatus subject to the approval of the University Court.

DATE OF COMING INTO EFFECT.

XXV. Every student who began his Medieval Studies before the date when this Ordinance shall come into operation shall be entitled to graduate under the system in force before or after that date, according as he shall comply with the Regulations in force in the University before or after that date.

XXVI. The provisions of this Ordinance shall come into operation at the beginning of the Winter or Summer Session next after the approval thereof by Her Majesty in Council.

In witness whereof these presents are sealed with the seal of the Commission.

A. S. KINNEAR, *Chairman.*

The following is a more detailed notice of the Preliminary Examination for September, 1892, referred to at page 23 :—

1. ENGLISH.—(1) Writing correctly a passage to dictation. (2) Composition of a short essay on a given theme. (3) Questions on Grammar, with analysis of sentences and the derivation and meaning of some common English words.
2. LATIN.—Virgil, *Eneid*, Book II., and Caesar, *De Bello Gallico*, Book V. Translations from the above. Translation of passages from works not prescribed, and of English passages into Latin,—the principal Latin words being supplied. Questions on Grammar and Construction.
3. MATHEMATICS, comprising (a) Arithmetic, the Common Rules, including Vulgar and Decimal Fractions; (b) Algebra, as far as Simple Equations, inclusive: (c) Geometry, the subject-matter of Euclid, Books I., II., and III., with easy deductions.
4. One of the following subjects :—
 - (a) GREEK—Xenophon, *Anabasis*, Book IV., and the Gospel according to St. Luke. Translation of passages from works not prescribed, and of English passages into Greek—the principal Greek words being supplied. Questions on Grammar.
 - (b) FRENCH.—Racine's *Athalie* (Hachette's French Classics). Translation and exercises as in the Latin and Greek.
 - (c) GERMAN.—Schiller's *Jungfrau von Orleans*. Translation and exercises as in the other languages.

Glasgow University Union.

SESSION 1892-93.

THE University Union, formerly inaugurated in January, 1890, exists for the purposes of providing students, as far as possible, with the conveniences and comforts of a social club, and of encouraging and developing the various University Societies. It has been endowed by public generosity to an extent which renders it practicable to offer the privileges of membership to present and past students at an annual subscription of Five Shillings.

The Building contains a Debating Hall, Reading and News Room, Dining Hall, Billiard Room, Smoking Room, Committee Rooms, and Lavatory. The Reading and News Rooms are supplied with all the principal Magazines and Newspapers. The Catering Department is designed to supply members with Dinners of good quality at lower rates than could be charged in an establishment worked at ordinary business profits. Details of Prices, &c., are given on Bills in the Quadrangles.

Seven of the University Societies, viz: the Dialectic, Medieo-Chirurgieal, Philosophieal, Alexandrian, Theological, Philomathic, and Ossianie, are now affiliated to the Union, and members of the Union are entitled to join any two of the said Societies without payment of additional fee.

Enrolment Schedules are supplied in the Entrance Corridor of the Union.

In name of Directors,

J. FERGUSON, M.A.,
Hon. Secretary.

1st October, 1892.

BURSARIES IN CONNECTION WITH THE FACULTY
OF MEDICINE.

BURSARIES IN THE FACULTY OF MEDICINE.

Foundation.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
Brisbane, - - - - -	1	4	£42
Davidson, - - - - -	1	3	£40
Malcolm Kerr (Chem.), - - - - -	1	3	£18
Logan, - - - - -	1	4	£16
Lorimer, - - - - -	4	3	£25 & £20
Macarthur, - - - - -	1	2	£20
Macfarlane, - - - - -	1	3	£40
Mackintosh, - - - - -	1	1	£30
Marshall, - - - - -	1	4	£17
Merchants' House, - - - - -	2	4	£25
Monteith, John, - - - - -	2	2	£20
Rainy, - - - - -	2	2	£20
Walton, - - - - -	1	4	£36
Weir, Andrew, - - - - -	1	1	£18

BURSARIES IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.

Maedonald,	- - - - -	2	4	£14
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BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.

Armagh, - - - - -	3	3	£25
Old Library, - - - - -	1	4	£11 2s. 2 $\frac{3}{4}$ d.

PRIZES IN THE FACULTY OF MEDICINE.

Seunior Arnott Prize, - - - - -	£25 awarded annually.
Junior Arnott Prize, - - - - -	£15 , , ,
Brunton Memorial Prize, - - - - -	£10 , , ,
Dobbie-Smith Gold Medal, - - - - -	, biennially.
John Reid Prize, £25 tenable for one or more years.	

The following Bursaries, Fellowships, and Seholarships are tenable by Students of Medieine:—Armagh Bursaries, Denny Bursaries, James Ferguson Bursaries, John Gibson Bursaries, Old Library Bursary, Maedonald Bursaries, Taylor Bursaries, George A. Clark Scholaships, John Clark (Mile-end) Scholarships, Eglinton Fellowships, William Euing Fellowships, Luke Fellowship, and Scott Scholaship. (See *University Calendar*.)

BURSARIES AND PRIZES IN MEDICINE,

Open to competition during Session 1892-93.

1. *Mackintosh Bursary*, annual value about £30, tenable for one year, open to medical students who have attended the Lectures on Insanity.
2. *Lorimer Bursary*, annual value £25, tenable for three years, open to medical students entering on their second session.
3. *Rainy Bursary*, annual value £20, tenable for two years, open to students entering on their third session of medical study.
4. *Malcolm Kerr Bursary*, annual value £18, tenable for three years by students of Chemistry. Examination in October, same as for M.A. with Honours in Natural Science.
5. *Daridson Bursary*, annual value £35, tenable for three years. Awarded in accordance with results of First Professional Examination, but preference being given to founder's relatives and natives of Muirkirk, Dalserf, Lesmahagow, or Loudon.
6. *John Monteith Bursary*, annual value about £20, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in April and October, 1892.
7. *Andrew Weir Bursary*, annual value £18, tenable for one year, will be awarded in November in accordance with results of Second and Third Professional Examinations.
8. *Marshall Bursary*, annual value £17, tenable for four years, open to students entering on their first winter session of medical study.
9. *Brisbane Bursary*, annual value £45, tenable for four years, open to Masters of Arts under twenty-two years of age, who are entering on their first winter session of medical study.
10. *Merchants' House Bursary*, annual value £25, tenable for four years, open to students entering on their first winter session of medical study.
11. *Macarthur Bursary*, annual value £20, tenable for two years. [Awarded to Johnstone Brown in April, 1891.]
12. *Junior Aruott Prize*, of about £15, for an examination in General Physics, open to students of the first and second years of their medical studies.
13. *Senior Aruott Prize*, of £25, for an examination in Physiological Physics, open to students of the third and fourth years of their medical studies.
14. *Brunton Memorial Prize*, of about £10, is given to the most distinguished graduate in medicine of the year.
15. *Robert Donaldson Scholarship*, in Chemistry, annual value about £62, tenable for two years, open to students who have taken the Degree of B.Sc., in Glasgow University.
16. *Mackay Smith Scholarship*, annual value £48, tenable for two years. Open to students of Chemistry.

DATES OF EXAMINATIONS.

The Examinations for the Bursary No. 1 in the above list will be held early in July ; for Nos. 2 and 3, on Monday and Tuesday, 3rd and 4th October ; for No. 4, on a day in October to be fixed hereafter ; for Nos. 8, 9, and 10, on Tuesday, 18th October, and three following days ; for the Prizes Nos. 12 and 13, on Saturday, 29th October, at two P.M. ; and for the Scholarship No. 16, on 28th March, 1893, at ten A.M.

DATES FOR SENDING IN APPLICATIONS.

Candidates for the Bursary No. 1 are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 15th June ; for Bursaries 2 and 3, not later than 15th September ; for Bursary No. 4, for Prizes 12 and 13, and for the Scholarship No. 15, not later than 1st October ; for Bursaries Nos. 8, 9 and 10, not later than 11th October ; and for the Scholarship No. 16, not later than 10th March, 1893. Candidates for No. 10 must, besides, give in their names to the Clerk of the Merchants' House not later than 1st October.

